

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: Jim Lowman <jlowman@iepsnet.com>
Subject: [3864] alt.ham-radio.morse
Message-ID: <199602042057.PAA55661@nss2.CC.Lehigh.EDU>

FWIW, since I'm giving you this info secondhand:

I was reading the rec.radio.amateur.misc newsgroup over the last few days, and there was considerable discussion about the new hierarchy, alt-ham-radio.* I believe that there were 21 new groups created, with each covering a different facet of the hobby.

Apparently, the originator of these new newsgroups didn't follow accepted Netnews protocol, by discussing/announcing this new hierarchy in the newsgroup alt.config. As a result, those who commented were predicting that the new newsgroups wouldn't meet with much success, as a lot of sysadmins/newsadmins wouldn't permit the hierarchy on their servers. Others decried the effort as a duplication of resources already available.

We had a similar long-standing discussion a few months ago, on the subject of creating a new subgroup of rec.radio.amateur, to be available for those who wanted to buy/sell/trade gear. Some moron started this flamewar by asking that "for sale" items not be posted on the .misc newsgroup. Some folks on the Net get really uptight about what's posted on newsgroups, the charter, etc, not realizing that things change. It got to the point that I offered to start the ball rolling to create a new subgroup. The whiners finally went away, and I dropped the idea, unless it starts again. To this day, there are still "for sale" and "wanted to buy" postings on the newsgroup. The sun still rises each morning, and no one seems to be complaining.

I hope these new newsgroups fare well, as their hierarchy arranges discussions into neat groupings, like a mailing list, so we don't have to wade through a lot of irrelevant material.

72/73 de Jim - KF6CR

San Bernardino, CA

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: JKXM17A@prodigy.com (ALLEN SMITH)
Subject: [3873] DC Loop
Message-ID: <097.00339533.JKXM17A@prodigy.com>

Did anyone else who tried the Distributed Capacitance Loop described here earlier experience total failure? I see that some of you out there made it work but my experience was not that good. I used the prescribed Radio Shack 300 ohm twin lead #15-1153. With the dimensions as given for the 40 meter loop I could not find any resonance with the Autek from one end of the band to the other. And the impedance was off the scale ("H"). It did begin to look better when I told it to be a 10 meter loop but, the NC40A doesn't speak 10 meters.

Well, my wife says it looks interesting hanging off the closet doors so maybe I'll leave it up in case 10 meters comes back.

Befuddled in Grand Junction,

Allen/AA0YU

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: r.lawn@mail.utexas.edu (Richard J. Lawn)
Subject: [3865] Explorer II Alignment Suggestion
Message-ID: <v01510102ad3ad07227cc@[128.83.111.33]>

Just finished building the Explorer II during a few unexpected days off due to ice here in Austin. Had a little aligning rcvr until we discovered that some nonmetallic object needs to be used to tweek C20 and C27. They pack a slug tuning wand in kit and should also add a nonconductive screw driver for these caps. Otherwise it's a great kit that assembles easily because of thoughtful manual. Gives solid 3 Watts out across 30 mtr segment. Hope to meet some of you on 30 mtrs.

Rick
WB0WAG

Richard J. Lawn
Associate Dean
College of Fine Arts

FAB 2.4
University of Texas
(512) 471-1655

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: tdrumm@sparc.isl.net (Tony Drumm)
Subject: [3870] Explorer II hearing problem
Message-ID: <199602042229.QAA17825@sparc.isl.net>

Hi, Folks.

Got my wattmeter and 30m Explorer II kits last week from the group buy. The wattmeter went together one night and worked flawlessly. I spent the better part of yesterday assembling the Explorer. The alignment procedure went OK but the receiver just doesn't hear. It can hear my main rig transmitting into a dummy load and it can hear an MFJ259 SWR analyzer, but it doesn't hear any other stations. I can switch back and forth between my Icom and the Explorer and it doesn't hear stations at S5 or even higher. I have heard (barely) one or two S9+ stations which were not around long enough for me to try to use to adjust it.

This, of course, is frustrating! My 20m Explorer I is not particularly sensitive but it's quite usable. So there must be something going on here. I've done quick looks and don't find anything obvious. My soldering looks good and the ICs are in the right places. The transmitter seems to be working FB. And, I can touch some of the receiver components and listen to a nice collection of broadcast stations which sound great!

Any ideas short of sending it to OHR for a "professional" alignment? I have some test equipment including a low-end Heathkit scope so I can do a bit of fishing if I know what I'm fishing for.

72/73
Tony Drumm
internet: tdrumm@sparc.isl.net
Packet: aa0sm@wd0gnk.#semn.mn.usa.na

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: George.Gingell@bbs.abs.net (George Gingell)
Subject: [3850] FOX REPORT
Message-ID: <1996Feb03.232212.2899@abs.net>

Friday Night FOX - WJ2V - CAUGHT @ 0036Z, 3 FEB 1996, 579/579 with QRM/QRN.
by Danny, K3TKS Located at FM19mb Silver Spring, Maryland 20904
(39.06N-76.94W) (39d03m24sN-76d56m38sW) (39.0340N76.5663W) Pick your format.
Power Output 1 Watt (1000mw) from Ten-Tec Argonaut 509, Kent Keyer and
Paddles,
80 Meter Full Wave Horizontal A.O.G. Loop at 45 feet up in the oak trees, fed
with Salvaged (Lan) RG-59 Type Coax. Backup Transceiver, on 40 Meter
Vertical,
(W1FB Classic Loop) was the QRP+ and WA1TWX/K3TKS Keyboard. OH YEA!, I used
Western Electric (1944 Vintage) High Z headset and The QRP Cannon tuned port
speaker.

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Maryland Milliwatt QRP Reference Library (301)572-6789.
QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@bbs.abs.net

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George Gingell, user of the UniBoard System @ abs.net
E-Mail: George.Gingell@bbs.abs.net
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-l@lehigh.edu Sun Feb 4 23:10:26 1996
From: Greg Nunn <gnunn01@mail.coin.missouri.edu>
Subject: [3866] Fox sked for Tuesday 2/6
Message-ID: <Pine.SOL.3.91.960204143205.27240A-100000@coinc0>

Hi Y'all,

Business travel has taken a toll on AA0XZ as the hunter, although I did get
one fox from the 7th floor of the Austin, Texas Hilton! While I may be
eliminated from the prize fight as hunter, Tuesday is my big chance
as the furry one. I'll have my work cut out for me, though. There
have been a lot of contacts made this winter! My zero-land QTH may help
me out. It seems that Texas, California and all of New England are
always open from here in Columbia, Missouri.

Here is my schedule. Note that local times are on Tuesday February 6. UTC
times are February 7.

CST Feb 6	UTC Feb 7	KHz
1900-2045	0100-0245	7043 +/- QRM
2045-2100	0245-0300	7113 +/- QRM

I will not be shy about QSY'ing if I get stomped on, but will let you know which direction to look for me. 7040 has been getting rather busy, so I'm going to start a bit higher. If anyone is rockbound and can't make 7043 let me know. We'll work out something.

The exchange will be RST and QRP-L number. I'll be running my Explorer II turned all the way up to 3 watts with its marvelous filter as wide as possible given QRM. The antenna is a random horizontal loop about 400' long snaking through the trees. It is up about 30' high on the NE corner, about 10' on the south side. The loop is fed with ladder line on the north side.

I'll call at about 20 wpm (wild guess, my fist is not calibrated very well :-)) and answer you at your speed. If I go too fast, please don't hesitate to ask me to QRS. On the other hand, if you blow by me I may ask you to do the same! I'll slow my calls to around 10 wpm in the novice band.

Happy hunting!
Greg AA0XZ

Greg Nunn
1701 Halsted Ct.
Columbia, Mo 65203
gnunn01@mail.coin.missouri.edu

From qrp-l@lehigh.edu Sun Feb 4 23:10:26 1996
From: dx@sun.tir.com (Tim, WB80GM)
Subject: [3856] FS: Gel Cells and nicad batteries
Message-ID: <3114da69.340864@news.tir.com>

I still have plenty of these cells if anyone else on the QRP-L is interested...

12 volt gel cell batteries that have been removed from burglar alarm systems and replaced with new ones. These batteries are like new and have all been checked under a 2 amp load for 2 minutes by me.

I currently have on hand:

5 --- 12 volt 7ah gel cells \$12ea 6" x 2.5" x 3.75"
10 --- 12 volt 6ah gel cells \$10ea 6" x 2.5" x 3.75"

2 --- 12 volt 4ah gel cell \$7ea 4" x 2.5" x 3.75"
0 --- 12 volt 3.2ah gel cell \$5ea (temporarily sold out)
1 --- 12 volt 2ah nicad pack \$4ea

All are guaranteed to be good and up to full charge on delivery.
All prices DO NOT include shipping charges.
When responding, include your zip code and I can tell you what
shipping charges will be.
Email me or call 810-621-9475 after 6pm if interested.
Thanks and 73...

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: Mike.Czuhajewski@bbs.abs.net (Mike Czuhajewski)
Subject: [3852] Hall of Fame nominations closed
Message-ID: <1996Feb04.002354.16474@abs.net>

The deadline has passed for QRP ARCI members to submit nominations
for the 1996 QRP Hall of Fame, though I'll wait for a couple of days
to see if anything trickles in by snail mail just to be safe. If
anyone sent me a nomination either by e-mail or snail, you should
have already received a confirmation from me. If you sent one and
did not get an acknowledgement yet, please contact me ASAP--I don't
want any nominations to slip through the cracks. Voting will take
place some time in Feb, with results to be announced at Dayton in
May.

73 and Queue Our Pea DE WA8MCQ wa8mcq@bbs.abs.net
--

Mike Czuhajewski, user of the UniBoard System @ abs.net
E-Mail: Mike.Czuhajewski@bbs.abs.net
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>
Subject: [3875] HW-7 sold
Message-ID: <15263.823480172@safety.ics.uci.edu>

Well, the HW-7 has a new home, and I have more space on my workbench.
Thanks for the inquiries.

Clark
WA3JPG

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: jgoemans@facstaff.wisc.edu (Goemans)
Subject: [3867] Iambic Paddles..
Message-ID: <199602042156.PAA50641@audumla.students.wisc.edu>

Hi All,

All this talk of deluxe paddles is making me salivate! Schurr, Kent,
G4ZPY I am familiar with , but where do Mercury paddles come from ???

72 Paul WA9PWP
QRP-L, QRP ARCI, Norcal, foxhunter extraordinaire
Paul Goemans WA9PWP
4326 Clover Court Madison, WI 53711-4805
608-274-5143 jgoemans@facstaff.wisc.edu

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [3859] ICOM 735 is SOLD
Message-ID: <Pine.SOL.3.91.960204105731.7780A-100000@lictor.acsu.buffalo.edu>

The 735 listed by ALEX has been sold.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: Brien Pepperdine <pepperb@gov.on.ca>
Subject: [3879] KnightLites - done it in spite
Message-ID: <Pine.OSF.3.90.960204221746.16524A-100000@govonca2.gov.on.ca>

Made the KnightLites qni tonight, sri but abt 6 watts is as low as it goes, but all the same.. had to use the full bore rig to get all the IF filters in affect against the qrm. Was that a carrier from the adjacent SSB qso or what?!

I had some fun, let me tell you, trying to copy code via the beat note of the cw off of the carrier.

All the same I'm happy to have made it in. My antenna is adequate enough, but in itself is proof that qrp works -with my antenna at qrp levels anyone has to believe low power/low ERP works.

Good to have the net there to test out what the band and the rigs/antennas will do. And of course a fun contact. Hope for a clearer channel next time for a bit more of rag chew.

Brien
Toronto
VE3VAW

pepperb@gov.on.ca

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: QRP1@aol.com
Subject: [3858] list
Message-ID: <960204093725_135447313@emout07.mail.aol.com>

Check out our new web site and sample issue at <http://home.aol.com/Photottrdr>

Don't forget to send us your free ad for the next issue on 2/16/96.

Bruce/N3JOV

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: George.Gingell@bbs.abs.net (George Gingell)
Subject: [3849] MD MW QRP VIP
Message-ID: <1996Feb03.232043.2899@abs.net>

MARYLAND MILLIWATT QRP VIP DINNER

Maryland Milliwatt Club Hosts QRP VIP at The Silver Diner in Rockville, MD
on Wednesday Evening the 31st of January 1996 from 6:00 til 8:00 pm.
This was our third Guest Banquet. Bill Kelsey, N8ET, President and Owner

of

Kanga U.S., was the Honored guest. We had a fun trip to the Restraunt with

K3TKS acting as the official talk-in station on the National Institute of Health Repeater (145.29). Bill was riding with Bruce, W6TOY.

We had 6 officers and members of Maryland Milliwatt Club present.

Danny Gingell, K3TKS, Mike Czuhajewski, WA8MCQ, Bruce Muscolino, W6TOY, Dick Szakonyi, KA3ZOW, Scott Rosenfeld, NF3I, and Charles Kadesch, W8KUX.

We had a Mini QRP Show es Tell before and after dinner. Mike C. brought along Uncle Brucie's 75 ohm step attenuator with a 50 ohm to 75 ohm adapter

and an Official Calibration test chart. Which I believe, changed ownership

at the table. Danny brought a few completed items to show. A NE-QRP 40-30,

A Deluxe Transistor Test box (HR Mag.), A Classic "Twofer" for 30 meters equipped with 30.06 "Dummy load" (50 ohms), and a New "Smoke Test Box". The Transistor Test box, dummy load and smoke test box were made entirely from RECYCLED COMPONENTS. In case you are wondering, the smoke test box, is simply a 2x2x4 Aluminum Jiffy box (Radio Shack type) with 5 way binding

posts on the input and output, a coaxial power connector on the input and a Fuse holder. There is a 1 ohm, 10 watt power resistor between the fuse and the positive output terminal with Pin test jacks on both sides of the resistor and pin jacks on the input and output ground (negative) terminals. This allows for easy measurement of the Current drawn by the project while limiting smoke production and saving meter fuses from shorted

test leads. One of those useful little projects that we never seem to get around to making.

Several topics were discussed as the evening progressed. Attenuators, kits, QRP FD, Dayton and Four Days in May among others. Needless to say, a fun time was had by all. Dick and I discussed adapting his programmable Counter to the Argonaut rigs. I will provide schematic and details of Argonaut

frequency scheme from my reference materials. This may develop into a new product for Argo owners. Bill and Dick were networking on kits as we departed.

If you are scheduled to visit the Maryland Milliwatt Turf, give one of us a buzz and we will try to arrange a Special reception for you as well. Contact WA8MCQ, W6TOY or K3TKS with the details via QRP-L on INTERNET, or leave a message at the Maryland Milliwatt QRP Reference Library (301)572-6789.

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George Gingell, user of the UniBoard System @ abs.net

E-Mail: George.Gingell@bbs.abs.net

The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA

Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-l@lehigh.edu Sun Feb 4 23:10:26 1996

From: George.Gingell@bbs.abs.net (George Gingell)

Subject: [3851] MD MW SHOW ES TELL

Message-ID: <1996Feb03.232354.2899@abs.net>

MARYLAND MILLIWATT QRP CLUB
SHOW ES TELL

The Maryland Milliwatt Club Hosts QRP SHOW ES TELL at the Odenton, MD
Fire House on Sunday, January 28, 1996, from 8 am til 2 pm.

We had 8 officers and members of The Maryland Milliwatt Club present.

Danny Gingell, K3TKS was excused for this meeting for church duties.

Mike Czuhajewski, WA8MCQ, Bruce Muscolino, W6TOY, Dick Szakonyi, KA3ZOW,
Bob White, W03B, Scott Rosenfeld, NF3I, Craig Sterling, AA3MD, Gil Kost,
W3MKE, and Kevin Bell, KE4TOY were present. Gil brought his New QRP Key
product for show and tell. He is planning to introduce it at Dayton this
year.

It is expected to be popular and inexpensive. A QRP jewel at a QRP Price...

Dick, Mike and Bob set up QRP Working QRP Station for the show. Dick provided
his armstrong Rotatable Dipole for the event. Bob brought his QRP+ rig.

Several QRP Quarterly's were sold and New QRPers Signed up as well.

Why not try a Show and Tell at your next local area hamfest. Great fun and
lots of goodwill for QRP and the clubs.

If you are scheduled to visit the Maryland Milliwatt Turf, give one of us
a buzz and we will try to arrange a Special reception for you as well.

Contact WA8MCQ, W6TOY or K3TKS with the details via QRP-L on INTERNET, or
leave a message at the Maryland Milliwatt QRP Reference Library
(301)572-6789.

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George Gingell, user of the UniBoard System @ abs.net

E-Mail: George.Gingell@bbs.abs.net

The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA

Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: Joe Everhart <n2cx@voicenet.com>
Subject: [3860] NJ to VE3 FOX
Message-ID: <9602041616.AA14091@voicenet.com>

Michael, you mentioned that you didn't hear me as the fox on 40 Thursday evening. I'm not surprised. Even in normal conditions, hearing CHU from up in your neck of the woods is difficult after dark. During the day, they are 59+ at 7335 kHz, but not so in the evening. When the dark comes out 3330 is the only usable freq. Sorry, we don't have a comparable beacon in NJ for you :-).

72/73,

Joe E., N2CX

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: QRP1@aol.com
Subject: [3872] QRP Newsletter
Message-ID: <960204181656_135765139@mail02.mail.aol.com>

Sorry for the previous error.

Our correct web site address is:

Check out our new web site and sample issue at <http://home.aol.com/QRP1>

Don't forget to send us your free ad for the next issue on 2/16/96.

Bruce/N3JOV

Bruce

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: QRP1@aol.com
Subject: [3857] QRP Recycler
Message-ID: <960204092838_135444697@mail04.mail.aol.com>

Check out our new web site and sample issue at <http://home.aol.com/Photottrdr>

Don't forget to send us your free ad for the next issue on 2/16/96.

Bruce/N3JOV

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: ruswhite@netzone.com (Russell W. White)
Subject: [3868] QRP to the field
Message-ID: <199602042148.0AA22064@nz1.netzone.com>

When will the NorCal "QRP to the Field" contest be held in 1996. I'm asking this because a group of AZ scQRPions are planning a little field day type outing (well, camping and operating) around the end of March and if the contest is close to that time then we will just have our outing on the contest weekend.

73 Russ AB7JX

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|*****|
| Russ White AB7JX (ex WB1GQG) QRP-ARCI NORCAL NEQRP |
| Phoenix AZ QRP-L #179 ARRL ARRL-VE |
|*****| AZQRP#3 |
|*****|
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From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: bhowell@mail.utexas.edu (Bill Howell)
Subject: [3854] QRP WORKS!
Message-ID: <199602040720.BAA18639@smtp.utexas.edu>

While building the Explorer II, I've been using my TS-440 cranked down to 5 watts

(externally metered).

After quite a few "cq cq de N5ALO/qrp" calls, I was wishing for a memory keyer. Then I realized I had one- the KAM and the PC! I had never wired the CW function to the rig, thinking that reading code off the screen wasn't really the way to go.

A bit of soldering and a clip-lead, and I'm in business. plug my CQ into memory and let 'er rip on 7.040. Got a response from KA3WTF in PA (also QRP). COOL.

The rest of the QSO was handled manually (no PC).

This was only my fourth contact using QRP and I'm hooked!

Bill Howell N5ALO
University of Texas at Austin
Electronic Maintenance
bhowell@mail.utexas.edu

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: "Jerry B. Altzman" <jbaltz@scisun.sci.ccny.cuny.edu>
Subject: [3876] QRPP
Message-ID: <CMM.0.90.0.823483689.jbaltz@scisun.sci.ccny.cuny.edu>

Is anyone else out there still missing their December QRPP?

//jbaltz

jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@sci.ccny.cuny.edu jbaltz@columbia.edu KE3ML (HEPNET) NEVIS::jbaltz

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: "Arjen Raateland, SYKE/YV, puh. 90-4030 0457" <Arjen.Raateland@vyh.fi>
Subject: [3855] Sierra, filter curve, BFO frequency
Message-ID: <01I0TGI2XB1W8Y6X3N@vyh21.vyh.fi>

I completed my Wilderness Sierra a while ago and I can say it worked right from the start. Both Wilderness and N6MM sent me hex keys to fix the knobs with, so I'm all set to go when my plus (as in Tech+) license arrives. The transmitter output power does fall the higher the band is that one has chosen (on 15 m it is less than 1.5w as measured on a OHR WM-1), and I will work on that later, but I have another little 'problem' that I would like to submit to the Sierra builders and other experts on this list.

Originally I noticed a slight response on the wrong side of zero beat on strong RF signals.

Crystal filters of the type used in the Sierra (Cohn-filter) are said to have an asymmetrical filter curve with a steep slope at the high side and a less steep slope at the low side.

Because the PMO signal in the Sierra is above the RF signal frequency (for all bands below 12 m), the 'sidebands' of the input signal are

reversed in the first mixer U2. A positive change in input frequency means a negative change in the IF signal frequency.

The Sierra handbook tells us that we receive the upper sideband on all bands below 12 m. This means that by the time the signal gets to the product detector we listen to the lower sideband which is the same as saying the BFO is above the passband of the filter.

The high side of the filter curve being the steeper slope this doesn't explain very well what I observed: a noticeable response on the wrong side of zero beat.

Wayne Burdick's sent a message to this list about the BFO oscillator and the ABX improvement (29th of January) in which he explains how to move the BFO to the other side of the passband, so that it stays outside the passband when the filter curve is widened.

I assumed the widening to take place at the lower, less steep side of the filter curve. Wayne's drawings indicate that it is the higher side that is responsible for the widening. However, Wayne may have indicated frequencies in terms of the RF input which has all frequency changes inverted in comparison with the IF.

I did the modification using a 33 microH choke and the BFO was almost right on frequency again. After aligning the BFO, I checked for the response at the wrong side of zero beat. It was completely gone. So the modification is an improvement, even if one doesn't care about listening to SSB signals on the Sierra.

Listening to some LSB stations on 80 m and varying the bandwidth of the filter, the mod worked just as Wayne said.

Because I wanted to see if I had understood what was going on, I checked the BFO frequency on a GC receiver and compared it to the TX carrier frequency (which is at the passband center where I set it during the first alignment). The BFO is now below the passband, which would mean it is on the less steep side and I should have an more prominent response on the wrong side of zero beat instead of the other way around.

What I hear doesn't fit in with what I've read about the form of the filter curve of a Cohn filter. Where do I go wrong?

What does the filter curve look like at CW bandwidths?
Is it the steeper slope and the response peak that stay put when the filter is widened?

Arjen Raateland, OH2ZAZ

--... ..- -.. . ------ ---.. .- ---..
Finnish Environment Agency, Helsinki, Finland
SAS Support
EMAIL: Arjen.Raateland@vyh.fi
tel. +358 0 4030 0457
fax +358 0 4030 0490
-.. -.-

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: af852@rgfn.epcc.Edu (William R Colbert)
Subject: [3874] speed keys
Message-ID: <9602050035.AA20486@rgfn.epcc.Edu>

I noticed a thread a few days ago about the use of speed keys (bugs) and there were a couple of poor responses tendered. One of the questions asked was about adjustment of the key, which when done properly and handled within one's capability, can sound very well. Two publications have adjustment information:

1. Keys, Keys, Keys by Dave Ingram, K4TWJ, pages 41-43.
2. Vibroplex Collector's Guide, by Tom French, W1IMQ, page 79.
3. Adjust and Cleaning Speed Keys, Al D'Onofrio, W2PRO, pages 36&37 CQ magazine, August 1972
4. Semiautomatic Key Adjustment, Brian Murphy, VE2AGQ, QST Feb 1968, pages 60 & 61. These are but a few of the items that have been published over the past few years about adjusting the favorite bug. Hope these help those persons wanting to try one and the only way to make them work correctly is practice and if attention is paid to spacing and not try to go faster than ones capability, the results will be good. On air use is one of the BETTER ways to learn, not SENDING TO YOURSELF. 72/73

Ray,

--
Ray Colbert, W5XE/V31XE, El Paso, Tx

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: km@PACT.ORG.PE (Kris Merschrod)
Subject: [3861] spel ckr
Message-ID: <m0tj7xD-0000WMC@rcp.net.pe>

Rndy is rite, ptr is rong.

Gosh, wid hol wrds, to mni ltrs to cpy. Wid cgnts es q-sigs i get mor words/min at mi spd of 5wpm!

72 es gn,

Kris
OA4DB0

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: Mike.Czuhajewski@bbs.abs.net (Mike Czuhajewski)
Subject: [3853] Step attenuator for sale
Message-ID: <1996Feb04.002410.16474@abs.net>

Step attenuators are useful items for QRPers, both in homebrewing (testing filters, receiver sensitivity, etc) and operating (milliwatting). This one is 75 ohms, not 50, but there's a way around that at slight penalty. It's a Kay Elemetrics model 442D, 1 to 101 dB in 1 dB steps, with individually selected sections of 20, 20, 20, 20, 10, 5, 3, 2 and 1 dB. The maximum power rating is one watt (but if using it for milliwatting, I'd keep the power well below that to be safe). I didn't get a chance to look in the Kay catalog to see the rated frequency, but on a network analyzer it looks pretty good to 1 GHz.

W6TOY bought this at the Odenton swapfest, at a table near the Maryland Milliwatts. He paid \$25 for it, and didn't realize it was 75 ohms until it was too late. He could have returned it but I told him I'd either get a buyer or take it myself. (I have an Imelda Marcos relationship with step attenuators.) It's yours for the same price, plus shipping, but I'm a value-added retailer--this one comes with a printout of the network analyzer evaluation. I slapped it on one of the HP 3753D network analyzers at work and did a sweep of 1 MHz to 1 GHz on each of the 9 sections. It gives a good, graphic display of the attenuation across the range, and also digital readout at 4 marker frequencies of 30, 144, 500+ and 999 MHz.

What use is a 75 ohm attenuator if all you work with is 50 ohms? All you need to do is slap a 75/50 ohm conversion device on each end and you're all set. The technical name for them is "minimum loss pad", and they're an L resistor

network. They add 5.7 dB each of loss, or a total of 11.4 if you use them on both ends. That's not necessarily a drawback; you know what the added attenuation is and take it into account when you use it. There are quite a few times when you use an attenuator when you don't need to go under 10 dB, so it's only a slight drawback. Instead of a 1 to 101 dB attenuator, they make it an 11.4 to 112.4 dB unit. (You could use wideband toroidal transformers instead, which would have less loss, but those would be somewhat sensitive to frequency when you use them across a large span.)

At no extra cost, since I got several for nothing, I'm throwing in a pair of old Texscan ZM-57 minimum loss pads. These look like little BNC attenuators, with male and female on either end. They were of the wrong sex when I got them--the female ends were 75 ohms, male were 50; they were more suitable for using a 50 ohm attenuator in a 75 ohm system, so I opened them up, swapped the center contacts end for end, and put them back together. They aren't as pretty as they were when new since I had to surgically remove the labels, but they don't look terrible...and the price is right.

Mechanical details--the 442D is 8.5 inches long, 10 when you include the female BNCs at each end, and 1.25 high by 2 wide. It is rather hefty, probably weighing a pound or so. When the minimum loss pads are attached to the ends, the overall length is 13 inches. The color is white, indicating that it's relatively new, since the older models were gray. The case has a few scuffs and dings but in pretty good shape. One of the switch handles is slightly bent but works OK. One of the switch mounting nuts was missing, so I replaced it with what I could find at home; doesn't match but does the job. This unit even has a pedigree of sorts--it still has a USAF TMDE label on it. That's Test, Measurement and Diagnostic Equipment, once known as PMEL, Precision Measurement Equipment Lab; that's the USAF shop which tests, aligns and repairs all test equipment on a base. (When you're in a technical USAF career field like I was before I retired, you get to know the function quite well since everything you do depends on them.)

Kay is still very much in business, by the way.

If interested in the attenuator, please contact me and we'll work something out. W6TOY just wants his \$25 back and doesn't care where it comes from. This is your chance to have a nice step attenuator and take me off the hook--I

already have ten commercially made step attenuators, to say nothing of the ones I built myself, so I hardly need another one!

73 and Queue Our Pea DE WA8MCQ wa8mcq@bbs.abs.net

--

Mike Czuhajewski, user of the UniBoard System @ abs.net

E-Mail: Mike.Czuhajewski@bbs.abs.net

The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA

Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996

From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>

Subject: [3871] Too many projects, not enough time.

Message-ID: <13922.823472723@safety.ics.uci.edu>

Once again, I am up against the wall. I just requested the HW-7 information, but upon further consideration (well, er, ummm.... talking to the boss, er, my wife...) I know that the HW-7 is not for me right now. Haven't even started my Cascade yet, and that is the important one in my shack right now. Thanks to all who responded with HW-7 info, but I will pass for now.

SO, anyone want to adopt an HW-7 ? It will need some TLC, but cosmetically is mint. I only want to break even here, but mostly want to give it to someone who will put it in working order and/or enjoy it. I paid \$25 for it, and would like shipping covered, maybe another \$6.

Clark
WA3JPG

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996

From: dh%reddog.csustan.edu@altair.csustan.edu (Doug Hendricks)

Subject: [3880] Wilderness Group Buy

Message-ID: <9602050408.AA19629@reddog.csustan.edu>

I just got home from the Feb. meeting of the NorCal QRP Club, and Bob Dyer has asked me to announce a QRP-L Group special for Wilderness Radio. Bob is going to include a KC1 Keyer/Frequency Counter complete kit (a \$44.50 value) with every Sierra CW Transceiver kit sold between Feb. 5 and March 4, 1996. This includes the following:

Sierra/6	Sierra QRP Transceiver kit, complete, with 6
	band modules (3.5-3.65, 7.0-7.15, 10.0-10.15,

14.0-14.15, 18.0-18.15, and 21.0-21.15MHz.)
Price \$369.00 + shipping

Sierra/3 Sierra with 3 band modules, your choice
Price \$295.00 + shipping

Sierra/2 Sierra with 2 band modules, your choice
Price \$269.00 + shipping

Sierra/1 Sierra with 1 band module, your choice
Price \$245.00 + shipping

Sierra/0 Sierra main unit only, no band modules
Price \$215.00 + shipping

Shipping: \$7 US
 \$12 Canada and Mexico
 \$15 All other DX

To place an order and get the special "Free KC1 Keyer included at no cost with the Sierra kit", contact Bob Dyer and mention the:

"QRP-L QRP Lovers Valentine Special" and that you are a member of QRP-L on internet.

Bob's Address is:
Wilderness Radio
P.O. Box 734
Los Altos, CA 94023-0734

Phone Number: 414-494-3806

I have no financial interest in Wilderness Radio and mention this to the group as information only. Sierra Kits are in stock and ready for immediate shipment. 72, Doug, KI6DS

Offer from Feb. 5 - March 4, 1996

From qrp-l@lehigh.edu Sun Feb 4 23:10:26 1996
From: Joe Everhart <n2cx@voicenet.com>
Subject: [3869] Re: 40 METER BEACON - Sunday Feb 4
Message-ID: <9602042158.AA22779@voicenet.com>

Pete,

No joy in South Jersey here on your 40 meter beacon.

Listened at 11:30 pm Sat, then every two hours from Sunday at 10:00 am to 4:00 pm. Did get an earful of the FOC'ers, whoever they are :-).
72/73,

Joe E., N2CX

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)
Subject: [3878] Re: CW on emergencies
Message-ID: <199602050301.WAA79968@nss2.CC.Lehigh.EDU>

> The plane you were traveling in crashes in some remote mountains
or some island hundreds of miles from anywhere.
> For what it's worth...
> -Dale, KB0VCC QRP-L #91
>

That is exactly what I thought when the professor on Gilligans Island didn't come up with a transmitter.

I think he had a thing going with Ginger and Mary Ann.

73 de AA1IK
de AA1IK N.E.-QRP-C. # 202 (Lead by example, It is better to)
QRP-L member #95. (pull a string than it is to push it.)
Ernie Gregoire
RR 1 Box 221
Canaan, NH. 03741

New England QRP Club, information
available on request by sending me a
S.A.S.E. or via E-mail.

e-mail : GREGOIRE@ENDOR.COM
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: Steve Miller <kg7pv@teleport.com>
Subject: [3863] Re: OHR rig FOR SALE
Message-ID: <199602042040.MAA11589@desiree.teleport.com>

Am back in town now so if anyone is interested in the rig here is the posting again.

- > OHR QRP 20
- > (model prior to Explorer I)
- > 2 watts out @ 12 V / 3 watts out @ 13.6 V
- > Original condition (I built it) with manual, schematic and parts overlay
- > Tunes 14.000 to 14.120 (very stable after 5 min warm-up)
- > Superhet receiver with 9 mhz IF
- > 4 pole xtal filter
- > Audio filter with front panel wide/narrow selection switch
- > RIT
- > Semi-QSK with interior adjustable delay
- > Painted silk-screened front and rear panels
- > Nice Ten Tec JW6 case (approx 2 1/2 H X 6 1/4 W X 5 3/4 D)
- >
- >\$60 shipped to your door with fused pwr cord included
- >

73

Steve Miller KG7PV Norcal # 308, QRP-L #109
Portland, Oregon

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: Frank <frank@yorks.demon.co.uk>
Subject: [3862] Re: QRP WORKS!
Message-ID: <CUhNzIAT0PFxEwkB@yorks.demon.co.uk>

In message <199602040720.BAA18639@smtp.utexas.edu>, Bill Howell
<bhowell@mail.utexas.edu> writes
>While building the Explorer II, I've been using my TS-440 cranked down to 5
>watts
>(externally metered).
>After quite a few "cq cq de N5AL0/qrp" calls, I was wishing for a memory keyer.
>Then I realized I had one- the KAM and the PC! I had never wired the CW function
>to the rig, thinking that reading code off the screen wasn't really the way
>to go.
>
>A bit of soldering and a clip-lead, and I'm in business. plug my CQ into
>memory and let 'er rip on 7.040. Got a response from KA3WTF in PA (also QRP).
>COOL.

>The rest of the QSO was handled manually (no PC).
>
>This was only my fourth contact using QRP and I'm hooked!
>
>
>
>Bill Howell N5ALO
>University of Texas at Austin
>Electronic Maintenance
>bhowell@mail.utexas.edu
>
>
Man you aint seen nothing yet (who said that...). WHEN the sunspots come back, you'll work the world on a coupla watts. I did and hope I'm still around to do it again, like WAS, WAC etc etc (125 DXCC on QRP). W's? Easy even from God's own country (england to the uninitiated!). Above all have fun!
73 and welcome to the QRP Wonderland!
Frank G3YCC
packet: G3YCC@GB7HUL.#15.GBR.EU

From qrp-l@lehigh.edu Sun Feb 4 23:10:26 1996
From: pelt@vt.edu (Randy Pelt)
Subject: [3877] Re: QRPP
Message-ID: <199602050216.VAA01812@sable.cc.vt.edu>

>Is anyone else out there still missing their December QRPP?
>
>///jrbaltz

No QRPP in Blacksburg, VA yet. You're safe.... I'm always the last one to get the darned thing!

I don't know why those guys can't send it FIRST CLASS MAIL. I'd be glad to pay the measly price difference.

72/3

Randy Pelt
310 Rucker Rd
Blacksburg, VA 24060
nz4i QRP-L #12
pelt@vt.edu
Home Phone 540-953-0540

From qrp-1@lehigh.edu Sun Feb 4 23:10:26 1996
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [3848] Re: RS Twinlead for DCT loop?
Message-ID: <Pine.SUN.3.91.960203211610.17974A-100000@ume>

On Sat, 3 Feb 1996 Babineau@eworld.com wrote:

>
> If its just regular cheepo stuff I should haue no problems finding a
> replacement. Otherwise I have to be more careful as this has an impact
> on overall loop capacitance, thus effecting the loop dimensions.
> I remember someone posting that they substituted a different twin-lead (was
> it Dr Rick in Calgary?)

>
> Michael VE3WMB
>

Yep, it was me. Pick up 100 feet of the el cheapo 300 ohm outdoor stuff
at you local CANAIAN TIRE store. (Soon, before Walmart takes them over :-)
Worked fine for the 80 and 40 meter versions.

72

Dr. Rick Zabrodski BSc, MD, CCFP(E)	*	VE6GK
Clinical Assistant Professor	*	NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary	*	"Power is no substitute for skill"